

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Rick Shewekah

GENERAL INFORMATION:

Name:	Pella Corporation - Murray Operations
Address:	307 Pella Way Murray, KY 42071
Date application received:	9/22/2006
SIC/Source description:	3089, Plastics Products, NEC (except plastics pipe fittings, inflatable plastics life jackets, plastics furniture parts, and plastics sausage casings)
Source ID:	21-035-00045
Source A.I. #:	40564
Activity ID:	APE20060002
Permit:	V-06-048

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
___ Administrative	<input checked="" type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

#### EMISSIONS SUMMARY:

Pollutant	Actual (tpy) <sup>1</sup>	Potential (tpy)
PM <sub>10</sub>	1.3	7.38
PM	1.3	7.65
SO <sub>2</sub>	0.005	0.03
NO <sub>x</sub>	0.8	10.01
CO	0.7	11.21
VOC	1.3	22.12
Single HAPs (Styrene)	0.00038	15.72
Source wide HAPs	0.00038	15.72

1. Actual emissions are from the Kentucky Division for Air Quality's 2005 Emissions Inventory report.

#### **SOURCE DESCRIPTION:**

Pella Corporation – Murray Operations manufactures plastic windows and window frames. The plant consists of the Pultusion Plant and the Vinyl Plant. The Pultrusion Plant includes Pellamat construction, twenty-two (22) pultruders, chop saw operations, conductive and powder coating, and eleven (11) insulated glass (IG) assembly lines. The Vinyl Plant includes chop saw operations, and eleven (11) IG assembly lines. Glass cleaning systems using isopropyl alcohol have been replaced with cleaning systems which utilize only water as the cleaning solution (i.e., no VOC). Therefore, these emission units, formerly emission points 05 and 09, are no longer included in the permit.

To preclude the applicability of 401 KAR 52:020, *Title V Permits*, and 40 CFR 63, Subpart WWW, *National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production*, the source was issued a Conditional Major Permit, Permit F-02-022, by the Division on November 25, 2002. To increase operational flexibility, the source has requested that the existing Conditional Major permit be transitioned to a first-issue Title V operating permit. The potential to emit of a hazardous air pollutant (HAP), styrene, is greater than 10 tons per year. Therefore, the source is a major source and is subject to the provisions of 401 KAR 52:020. This is the initial Title V operating permit for this source.